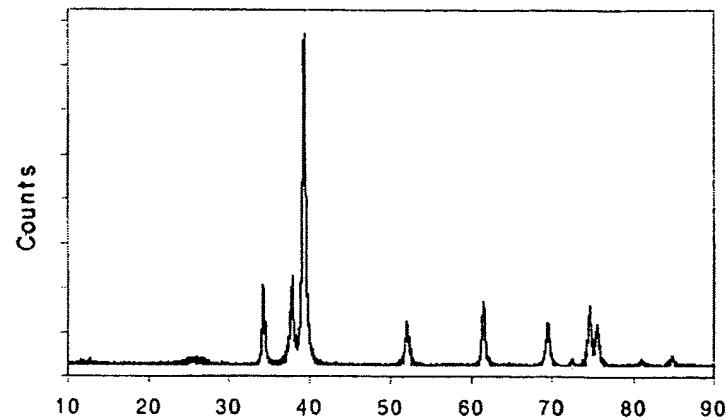
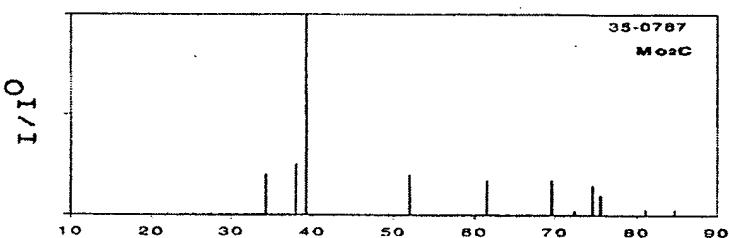


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**FIG.1A XRD and SEM of CARBIDE NANORODS**

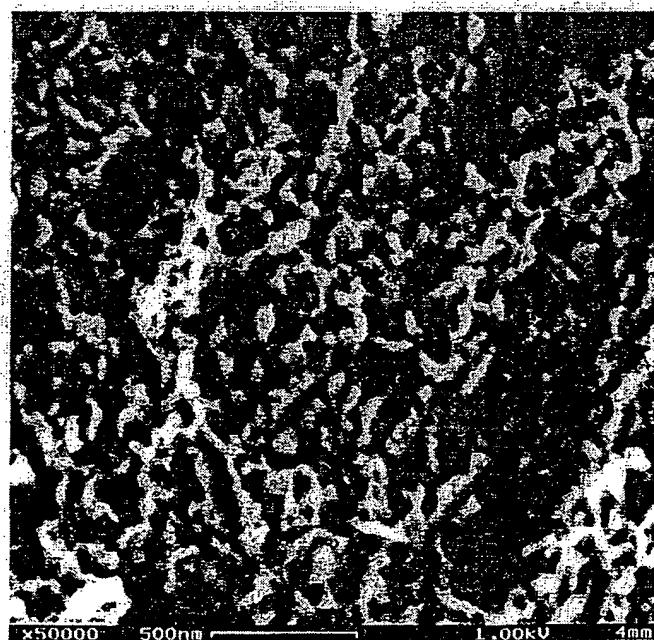
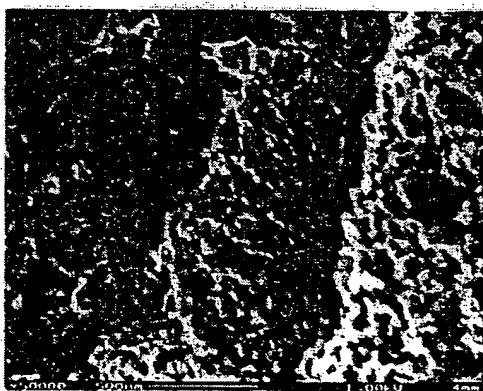


XRD, Sample 12



Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C

SEM Micrographs. Sample 12

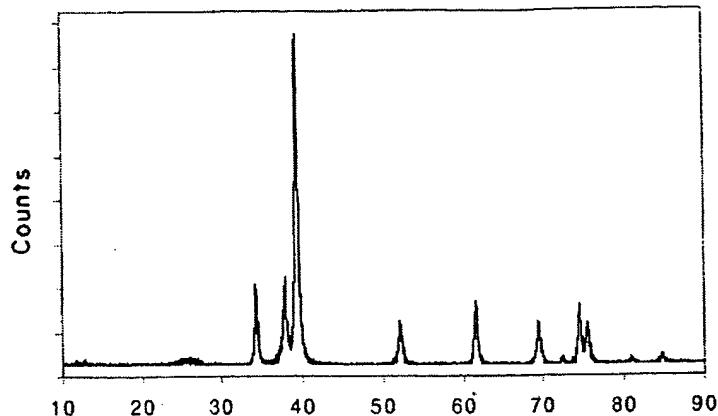


**FIG.1B**

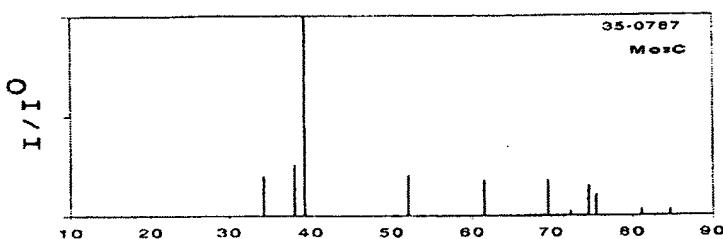
**FIG.1C**

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**FIG.2A XRD and HRTEM of CARBIDE NANORODS**



XRD. Sample 12



Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C



HRTEM Micrograph. Sample 12

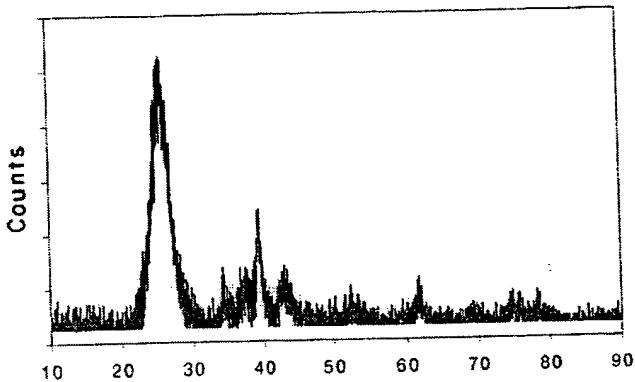
**FIG.2B**

T000586 "T005262"

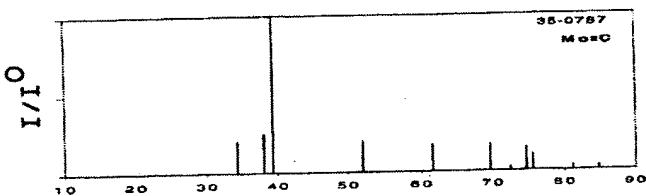
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**FIG.3A XRD and HRTEM of CARBIDE NANOPARTICLES  
SUPPORTED ON CARBON NANOTUBES**

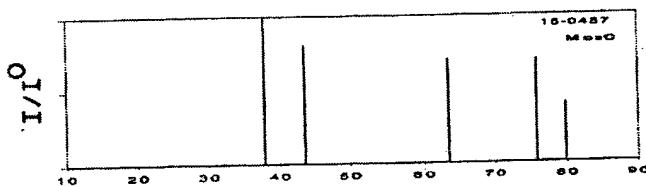
XRD. Sample 10



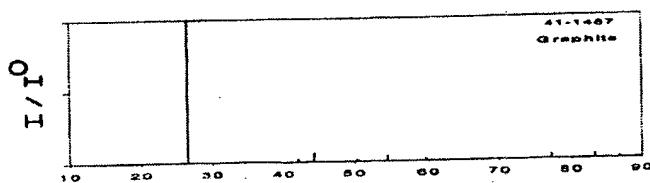
Reference XRD Pattern,  
hexagonal Mo<sub>2</sub>C



Reference XRD Pattern,  
cubic Mo<sub>2</sub>C



Reference XRD Pattern,  
Graphite



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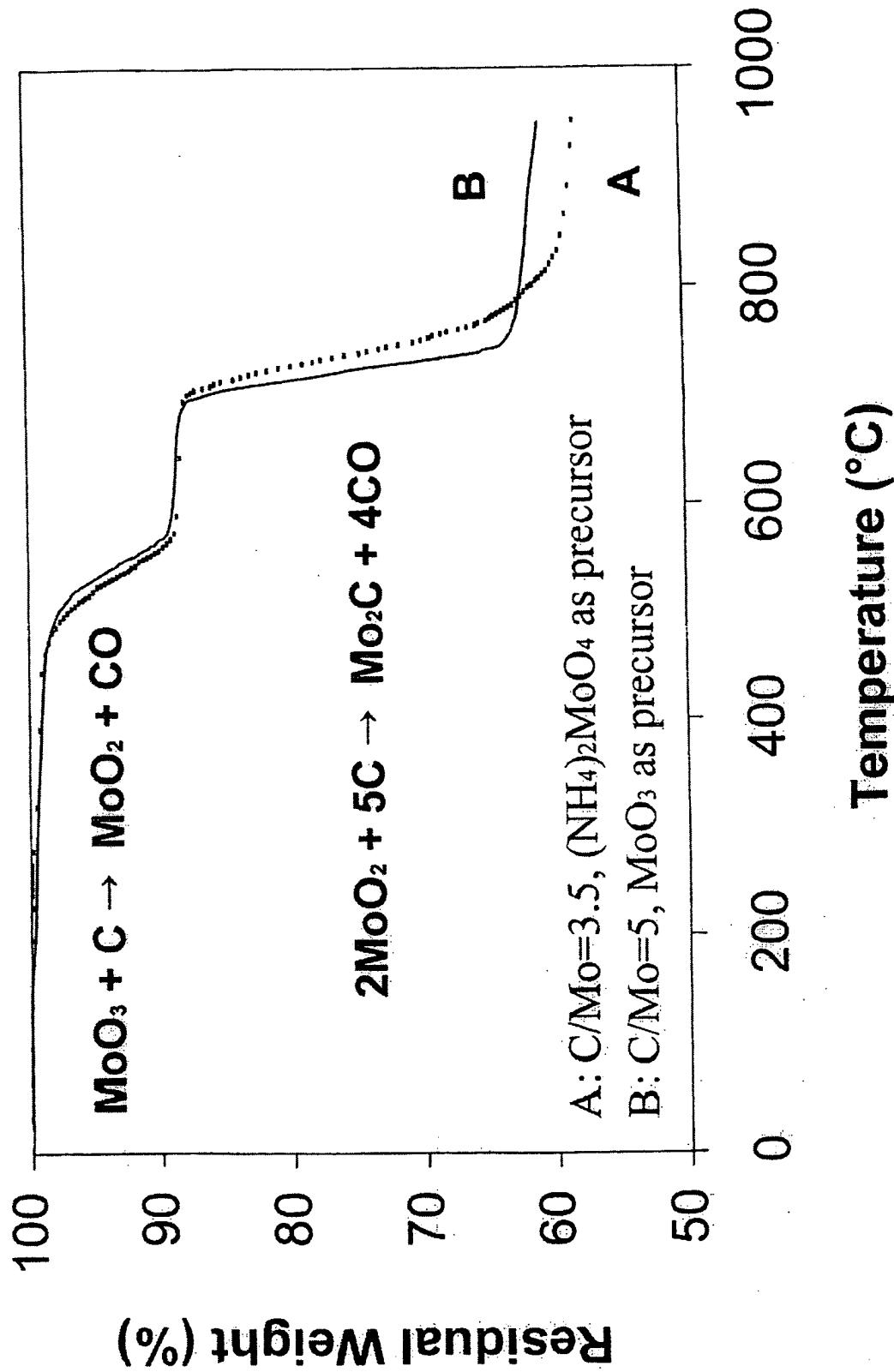
HRTEM Micrograph, Sample 10



10005536 - 102901

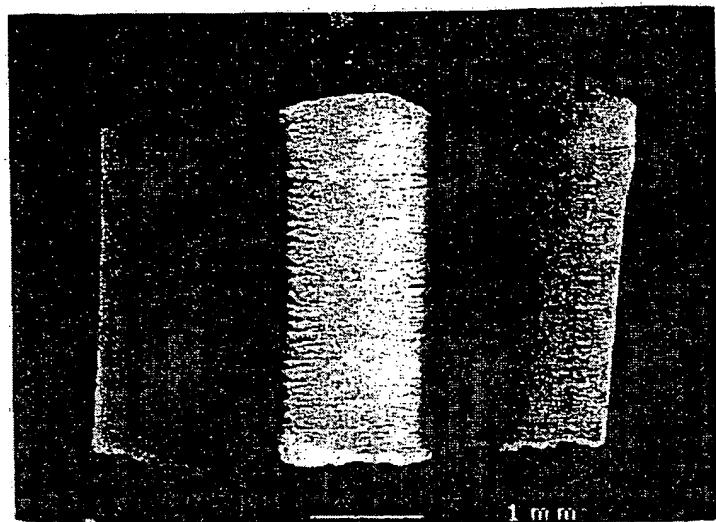
FIG. 3B

FIG. 4 Calcination of C:Mo Precursors



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*FIG.5A*



10005586 - 102901

*FIG.5B*



*FIG.5C*

